

**1x10 DVD Duplicator
User's Manual**

**Model
DVW-D110H**

TEAC®

Safety Precautions

TEAC DVD Duplicator systems are high-precision electronic devices. Do not use them in any manner other than as specified in this manual. Please read this manual in its entirety before you begin the installation procedure. Use of controls, adjustments, or performance of procedures other than those specified herein may result in hazardous radiation exposure.

To prevent fire or shock, do not expose the unit to moisture or rain.

To prevent electrical shock, do not attempt to disassemble the DVD Duplicator system. Refer servicing to authorized personnel.

TEAC DVD Duplicator drives utilize a laser beam that can be harmful to your eyes. Do not disassemble the cabinet or unit. Do not attempt to look through the front panel or into the unit while the power is turned on.

A user who changes or modifies the unit or operating procedures specified herein without expressed written approval by the manufacturer will void user authority to operate the equipment.

Specifications and features subject to change without notice or obligation.

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About This Manual

This *TEAC 1x10 DVD Duplicator User's Manual* explains how to operate the TEAC DVD Duplicator. It is divided into the following chapters:

Chapter 1: Introduction

This chapter describes the shipping package contents and introduces the TEAC DVD Duplicator.

Chapter 2: Using the DVD Duplicator

This chapter explains how to set up the DVD Duplicator. It also details its basic copy operation.

Chapter 3: DVD Duplicator Functions

This chapter explains all available functions of the DVD Duplicator.

Appendix A: List of Functions

Appendix A includes a complete list of all DVD Duplicator functions.

Appendix B: LCD Error Code Definitions

Appendix B lists all messages that may appear on the LCD display.

Appendix C: About DVD and CD Discs

Appendix C contains information about handling, loading, and ejecting discs.

Appendix D: Specifications

Appendix D includes technical specifications for the TEAC DVD Duplicator unit.

Appendix E: Technical Support and Warranty

This appendix explains how to contact technical support at TEAC America, Inc. and provides Limited Warranty information.

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Chapter 1. Introduction

Thank you for purchasing a TEAC 1x10 DVD Duplicator.

The TEAC 1x10 DVD Duplicator is a stand-alone disc-to-disc DVD Duplicator system that does not require connection to a computer. It can duplicate a single master DVD to DVD media at up to 16X speeds, resulting in an exact replica of a 4.7GB disc. It can also duplicate discs to CD-R media.

The TEAC DVD Duplicator is designed to perform DVD copying quickly and accurately. The DVD Duplicator automatically identifies source DVD formats and replicates the content as required.

The TEAC DVD Duplicator performs continuous copying with no waiting. It is an ideal DVD Duplicator for the advanced user who requires speed and accuracy.

You can set up your TEAC DVD Duplicator very quickly and easily. There is no need to install any software. There is no need to attach any cables to your computer. The TEAC DVD Duplicator functions entirely as a stand-alone unit.

Caution: *Your TEAC DVD Duplicator can operate on either 115VAC or 220VAC voltage. Before you turn on the power to the unit, be certain to select the correct voltage for your region by setting the AC Voltage Selector on the rear panel. Failure to do so can result in damage to the unit. For more information, refer page 5.*

DVD Duplicator Package Contents

Your TEAC DVD Duplicator package includes the following items (see Figure 1).

- TEAC 1x10 DVD Duplicator unit
- AC power cable
- TEAC 1x10 DVD Duplicator User's Manual* (this manual on CD-ROM)

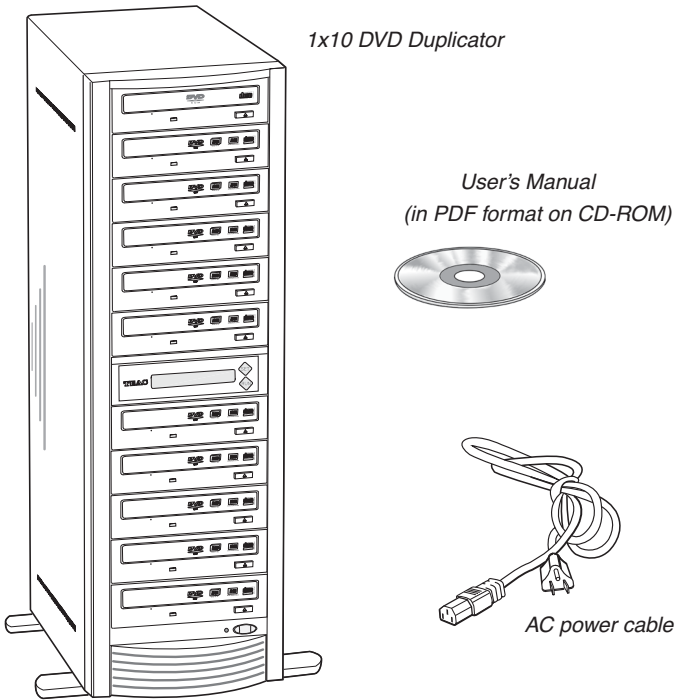


Figure 1. DVD Duplicator Unit Package Contents

Note: If any of the items above is missing from your package upon purchase, please contact your vendor immediately.

Front Panel

Figure 2 illustrates the front panel of the DVD Duplicator unit.

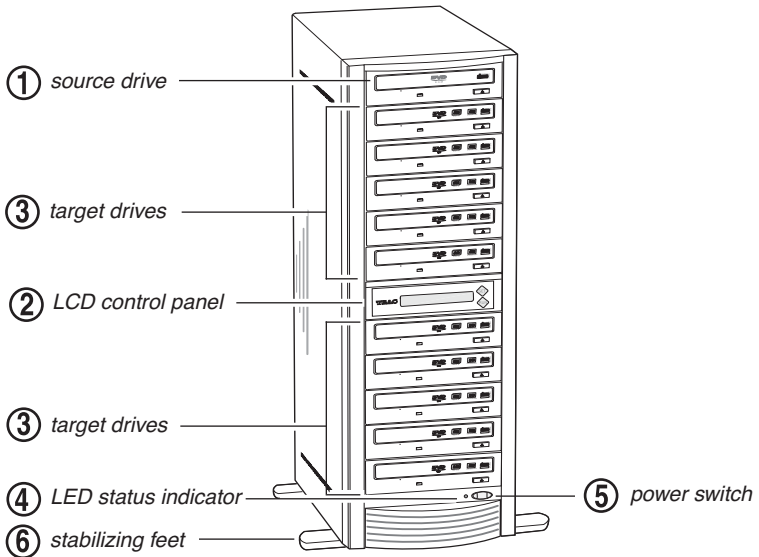


Figure 2. Front Panel of the DVD Duplicator Unit

- ① **source drive:** Insert the disc to be copied into the source drive. Use the disc tray to load a DVD into the drive. You can open the tray by pressing the eject button (if the tray fails to open, you can use the emergency eject mechanism). You can close the tray by pressing the eject button.

Notes:

- TEAC strongly recommends that you do not push the tray in to close it. Please press the eject button to eject or retract the tray.*
- The DVD Duplicator includes an internal hard disk drive as an alternate source drive. Please refer to “Loading Data to and Copying from the Hard Disk Source Drive” on page 9 for detailed information.*

- ② **LCD control panel:** Use the control panel buttons to navigate through the various functions viewed on the LCD display.

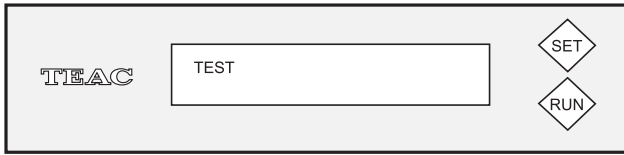




Figure 3. LCD Control Panel

The DVD Duplicator control panel features an LCD display and two buttons. These buttons are described in the following table:

	In Operation mode, press the SET button to scroll up through the functions or menus.
	In Operation mode, press the RUN button to execute the selected function.

- ③ **target drives:** Insert a blank disc into each target drive to make a copy of the source disc. You can open the tray by pressing the eject button (if the tray fails to open, you can use the emergency eject mechanism). You can close the tray by pressing the eject button.

Note: TEAC strongly recommends that you do not push the tray in to close it. Please press the eject button to eject or retract the tray.

- ④ **LED power indicator:** The LED power indicator will be continuously lit when the DVD Duplicator power is on.
- ⑤ **power switch:** Use the power switch to turn the power to the DVD Duplicator unit on and off.
- ⑥ **stabilizing feet:** A stabilizing support foot is located at each of the DVD Duplicator's lower four corners. When you set up the Duplicator, you should extend each of these feet outward to provide stable support for the unit.

Rear Panel

Figure 4 illustrates the rear panel of the DVD Duplicator unit.

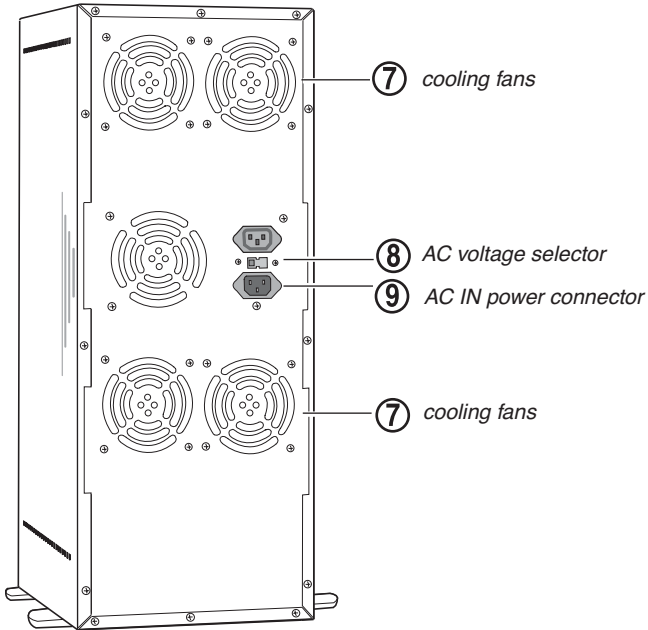


Figure 4. Rear Panel of the DVD Duplicator Unit

- ⑦ **cooling fans:** Ball-bearing fans cool the DVD Duplicator.
- ⑧ **AC voltage selector:** Use this switch to select either 115VAC or 220VAC.

Caution: Before you turn on the power to the DVD Duplicator, make sure the correct voltage is selected. Otherwise, you risk damage to the unit. The default setting is 115VAC.

- ⑨ **AC IN power connector:** Connect the included AC power cable to this input connector. Plug the other end of the power cable into a three-prong receptacle AC power outlet.

Caution: Do not attempt to bypass the grounding plug. Otherwise, you risk electrical shock or damage to the unit.

Chapter 2. Using the DVD Duplicator

This chapter explains how to set up the DVD Duplicator, as well as basic operation and menu functions.

Setup

1. **Select a well-ventilated area for the DVD Duplicator. Carefully remove the DVD Duplicator unit, AC power cord and user's manual CD-ROM from the shipping box.**

Note: Please keep the original box and packaging materials for use in the event of future storage or transportation of the unit.

2. **To ensure that the unit is properly balanced, place the DVD Duplicator on a flat surface. Extend the Duplicator's feet outward at each its four lower corners.**

For more information, refer to the section "Front Panel" on page 3.

3. **Connect one end of the included power cable to the back of the DVD Duplicator. Connect the other end of the power cable to a three-prong receptacle AC outlet.**

Caution: Do not attempt to bypass the grounding plug. Otherwise, you risk damage to the unit and electrical shock.

4. **Turn on the power to the DVD Duplicator by pressing the power button on the lower right-hand side of the unit.**

During initialization, the DVD Duplicator performs a self-test in which the unit's internal buffer is tested, source and target drives are detected, and the LCD display is tested. Once the initialization is complete, the DVD Duplicator is ready for use.

The LCD initially displays the Test function by default.

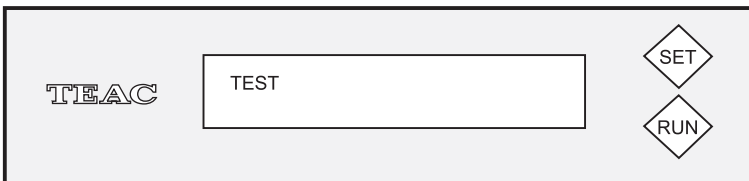


Figure 5. Test Function on LCD Panel

Basic Operation

This section explains the basic operation of the DVD Duplicator.

Copying from the Optical (DVD) Source Drive

1. **Place a source disc in the disc tray of the source drive.**
2. **Switch to the Copy function by pressing the SET button.**
3. **Place a blank DVD±R disc into as many of the target drives as you desire, then press the RUN button to start copying.**

You do not need to insert a DVD disc into every available target drive. You can make fewer copies if you prefer. The internal controller will automatically detect inserted discs and issue the record command to only those target drives that contain a blank disc.

When the copy operation is complete, the DVD disc in each of the target drives will be ejected automatically.

Note:

- With the default setting, after a source disc has been successfully copied, the DVD Duplicator automatically ejects the target DVD discs.*
- With the default setting, if the copy operation fails, the failed target DVD disc remains in the target drive. To remove the failed DVD disc, press the eject button on the target drive and retrieve the disc. Press the eject button again to retract the disc tray.*

Loading Data to and Copying from the Hard Disk Source Drive

During initialization (see Step 4 on page 7), the DVD Duplicator performs a self-test to detect source drives. The DVD-ROM drive and hard disk drive will be detected as available source drives. The DVD-ROM drive is the default source drive.

The internal hard disk drive was formatted and partitioned at the factory. Each partition occupies 9GB of hard disk space. Partitions are arranged in numerical order starting with partition 00000, and initially contain no data. A set of data loaded into a partition on the hard disk drive is called an “image file.”

To use the hard disk drive as the source drive, you must first load an image file from a DVD into a partition on the hard disk drive, select the partition that contains the data you want to copy, then execute the copy function.

1. Insert a source DVD into the DVD-ROM drive.

This disc contains the data that you wish to copy to the partition on the internal hard disk drive.

2. Press the SET button to select the Load function, then press the RUN button to execute the function.

The data will be loaded into the default first partition (00000).

After a few moments, the source disc will be ejected, signaling the completion of the data load procedure.

3. Remove the source disc from the DVD-ROM drive.

Note: If you need to load additional data from various sources, change to another partition first (e.g., 00001) using the Partition Name function in Setup mode, then repeat steps 1 and 2 above.

4. Once the data has been copied to the hard disk drive, insert a blank disc into as many of the target drives as you desire.

5. Using the SET button, change to the Copy function, then press RUN to copy from the hard disk drive to the discs.

The discs will be ejected when the copying process is complete.

6. Remove the copied discs from the Duplicator.

You can repeat this procedure from Step 4 if desired.

Chapter 3. DVD Duplicator Functions

The DVD Duplicator features three (3) modes of operation:

- Operation mode
- Setup mode
- Advanced mode

Operation Mode Functions

Operation mode includes seven (7) functions. Each function is explained below.

Test

The Test function simulates writing to the target disc. The discs will remain blank after the test is complete. This function is recommended if you are using unsupported media. This function enables the target drive to adjust the laser to the proper intensity. The source drive, which is determined by the setting on the Duplicator controller, can be either the DVD-ROM drive or the hard disk drive.

Copy

The Copy function enables you to copy data from the source DVD or a partition on the internal hard disk drive. For more information, refer to “Basic Operation” on page 8.

Compare

The Compare function compares data on the source and target discs after the copy process is complete.

Copy and Compare

The Compare function follows immediately as soon as the Copy function is completed.

Verify

The Verify function verifies that the target disc was written completely and with no errors.

Erase

The Erase function erases the data from /RW media. The default setting performs a Quick Erase when you press the RUN button.

You can also press and hold the RUN button for three (3) seconds to perform a Full Erase. The Full Erase requires more time than the Quick Erase.

Load

The factory-installed hard disk drive was partitioned and formatted at the factory. Each partition is approximately 9GB in size.

The Load function enables you to transfer data from the DVD-ROM or DVD Writer drive to the current partition on the hard disk drive.

If you are loading various sources to the hard disk drive, change the **Partition Name** to specify a new partition after the Load function is completed. This will prevent you from overwriting data that has already been loaded into the previous partition.

Setup Mode Functions

The Setup mode includes nine (9) functions. To enter the Setup mode, press and hold the SET button until you hear a beep. The LCD will then display SETUP. Press the SET button to scroll through the available functions. To exit the Setup mode, press and hold the SET button until you hear a beep. Each function is explained below.

Automatic

This function is for factory use only.

Partition Name

The Partition Name function enables you to setup the ID and partition number of the hard disk drive.

The first two (2) digits are the ID number of the hard disk drive. This ID can range from 00 to 99. The remaining three (3) digits represent the position of the partition. The default setting is 00000.

Set as Default

This function allows you to set any changes or modification you have made as your default settings.

Update Firmware

The Update Firmware function updates the firmware on the interface board via a CD or DVD disc. The DVD Duplicator will locate the data and update its firmware automatically.

During the update, do not turn off the power to the unit. Once the update is complete, the LCD will display a message and all arguments will return to the default setting. Please restart the system to complete the firmware update procedure.

CD Reading Speed

The CD Reading Speed function controls the speed at which the source drive reads a CD-ROM.

The default setting is MX (maximum) read speed.

- RUN: Modify parameter.
- SET: Save and quit.

CD Writing Speed

The CD Writing Speed function controls the speed at which the source drive writes to a CD-R disc.

The default setting is MX (maximum) write speed.

- RUN: Modify parameter.
- SET: Save and quit.

DVD Reading Speed

The DVD Reading Speed function controls the speed at which the source drive reads a DVD disc.

The default setting is MX (maximum) read speed.

The MID is set according to the highest speed supported by the blank disc.

- RUN: Modify parameter.
- SET: Save and quit.

DVD Writing Speed

The DVD Writing Speed function controls the speed at which the source drive writes to a DVD disc.

The default setting is MX (maximum) write speed.

The MID is set according to the highest speed supported by the blank disc.

- RUN: Modify parameter.
- SET: Save and quit.

Advanced Setup

The Advanced Setup function lets you access Advanced mode.

- To enter Advanced mode, press the RUN button when Advanced Setup is displayed on the LCD.
- To exit the Advanced mode, press and hold the SET button until you hear a beep.

Advanced Mode Functions

The Advanced Operation mode includes 17 functions. Each function is explained below.

Choose Source

The Choose Source function enables you to change the device code of the source drive. The default setting is A, which indicates that the system will automatically choose the source drive.

- RUN: Modify parameter.
- SET: Save and quit.

Disc Counter

The Disc Counter function keeps track of the number of discs copied during auto-operation mode. The default setting is M, which indicates Manual operation mode.

- A: controller in Auto-operation mode determines the number of target discs copied.
- RUN: Modify parameter.
- SET: Save and quit.

Skip Read Err

The Skip Read Err function enables you to control read errors from the source drive. The default setting is No, which indicates that the system will stop when the source drive encounters a read error and will reject the source disc.

- No: The source drive will instantly reject the source disc upon detection of a read error.
- SHORT: The system skips read errors by sectors of 2kb.
- MED: The system skips read errors by sectors of 100KB.
- LONG: The system skips read errors by sectors of a few MB.
- SKIPPA: The system skips the reading of a track upon detection of a read error.

CD Writing Way

The CD Writing Way function enables you to select from the three writing methods for CD-R media. The default setting is DAO.

- DAO: Disc at once
 - TAO: Track at once
 - RAW: This is only used when the writer supports RAW writing.
 - RUN: Modify parameter.
 - SET: Save and quit.
-

DVD Writing Way

The DVD Writing Way function enables you to select from the two writing methods for CD-R media. The default setting is DAO.

- DAO: Disc at once
 - INC: Improves readability in older DVD players.
 - RUN: Modify parameter.
 - SET: Save and quit.
-

Check TRK LEN

The Check TRK LEN function provides various methods for the detection of bad sectors. Default setting is SHORT.

- NO: Read as GAP = 0.
 - AUTO: Read the standard GAP
 - SHORT: Read the short GAP.
 - LONG: Read the long GAP.
-

Show Disc Info

The Show Disc Info function provides information about the disc in the source or writer drive.

- For CDs: The ATAPI code is typically displayed.
 - For DVDs: The manufacturer code is displayed.
-

Show System Info

The Show System Info function enables you to display information about the controller, source, and target drives.

Show Exe. Time

The Show Exe Time function enables you to find out how long a function's execution time takes. The default setting is Disable.

- RUN: Enable or disable.
- SET: Save or quit.

Auto Exe. Time

The Auto Exe. Time function enables you to set the time allocated for drives to detect blank discs. The default setting is 60 seconds.

- RUN: Modify parameter.
- SET: Save and quit.

Enable Send OPC

The Enable Send OPC function enables the system to make adjustments to achieve optimum laser power. OPC (Optical Proximity Correction) enables the system to determine the best laser power range for a disc. The default setting is Enable.

- RUN: Enable or disable.
- SET: Save and quit.

Support UPC/ISRC

The Support UPC/ISRC function copies the UPC code of music CDs and the ISRC code of individual tracks. The copy of the ISRC code includes the country of manufacture, owner, date, and serial number of each track, etc. The default setting is Disable.

- RUN: Enable or disable.
- SET: Save and quit.

Region Free Set

The Region Free Set function enables you to remove the DVD movie region restriction on non-CSS discs. This function cannot be executed on discs that are copy-protected. The DVD Duplicator will not duplicate copy-protected discs. The default setting is Disable.

- RUN: Enable or disable.
- SET: Save and quit.

Partition Size

The Partition Size function enables you to assign different partition sizes to the internal hard disk drive depending on requirements. The default setting is 9GB. Please note that any data that is already present on the partitions will be erased. You will need to reload the data onto the partitions as needed.

- RUN: Modify parameter
 - SET: Save and quit
-

CD Gigarec Rate

This function is not supported by the DVD Duplicator.

Disable LO Change

The Disable LO Change function enables you to change the DL writing method. This function makes it more efficient and quicker to backup an 8.5GB DL disc. The default setting is Enable.

- RUN: Enable or disable.
 - SET: Save and quit.
-

Boot Delay Time

This function is reserved for factory use only.

Appendix A. List of Functions

Operation Mode Functions

- Test
- Copy
- Compare
- Copy and Compare
- Verify
- Erase
- Load

Setup Mode Functions

- Automatic
- Partition Name
- Set as Default
- Update Firmware
- CD Reading Speed
- CD Writing Speed
- DVD Reading Speed
- DVD Writing Speed
- Advanced Setup

Advanced Mode Functions

- Choose Source
- Disc Counter
- Skip Read Err
- CD Writing Way
- DVD Writing Way
- Check TRK LEN
- Show Disc Info
- Show System Info
- Show Exe. Time
- Auto Exe. Time
- Enable Send OPC
- Support UPC/ISRC
- Region Free Set
- Partition Size
- CD Gigarec Rate.
- Disable LO Change
- Boot Delay Time

Appendix B. LCD Error Code Definitions

Error Code		Definition
SET_SPEED_ERROR	'S'	Incorrect speed setting
READ_ERROR	'r'	Reading error
WRITE_ERROR	'w'	Writing error
READ_DMA_ERROR	'R'	DMA reading error
WRITE_DMA_ERROR	'W'	DMA writing error
CUE-SHEET_ERROR	'U'	Error while writing cue-sheet
ERASE_ERROR	'E'	Erasing error
FORMAT_ERROR	'F'	Formatting error
COMPARE_ERROR	'C'	Comparison error
SYNCHRONIZE_ERROR	'Z'	Synchronized writing error
CLOSE_ERROR	'O'	Error while trying to close disc
TERMINATE_ERROR	'T'	Data interrupt
BLANKMED_ERROR	'B'	Disk type error between source and target
ATICODE_ERROR	'A'	Blank disc cannot be recognized
MCODE_ERROR	'M'	Only supports Ritek medium
READDISCINF_ERROR	'D'	Disc closing incomplete
TARGNOTEMPTY_ERROR	'N'	Non-blank medium
PLUSRTEST_ERROR	'P'	Performing test function with +R medium
UNKNOW_ERROR	'K'	Other error
READDISCINF_ERROR	'D'	Medium format error
CDDVDDISC_ERROR	'J'	Medium error
HD_READ_ERROR	'G'	Hard disk read error
HD_WRITE_ERROR	'H'	Hard disk write error
REV_TRACK_ERROR	'I'	DVD-R medium capacity error

Appendix C. About DVD and CD Discs

This appendix explains how to handle, load, and eject DVD and CD discs.

Handling Discs

- ❑ Handle compact discs only by their edges to avoid getting fingerprints on the surface. Do not touch the disc's data surface (unlabeled side).
- ❑ Do not place discs in direct sunlight or in locations subject to high humidity, high temperatures, or dusty conditions.
- ❑ If it becomes necessary to clean a disc due to erratic operation, visible dust, or smudges, gently wipe the surface of the disc from the center to the outside edge. Do not use benzene, alcohol, thinner, or other solvents.

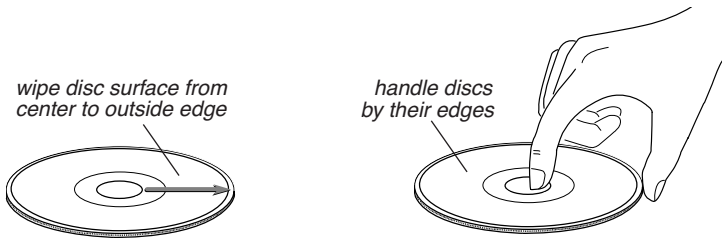


Figure 6. How to Handle Compact Discs (DVD and CD)

Loading and Ejecting Discs

To load a disc into the source or a target drive, first open the disc tray by pressing the Eject button on the front of the drive. Place the disc on the disc tray with its label side facing up. Then press the Eject button again to retract the disc tray back into the drive.

To eject a disc from the source or a target drive, press the Eject button on the front of the drive to extend the disc tray. Remove the disc from the disc tray and place it in its protective case. Then press the Eject button again to retract the disc tray back into the drive.

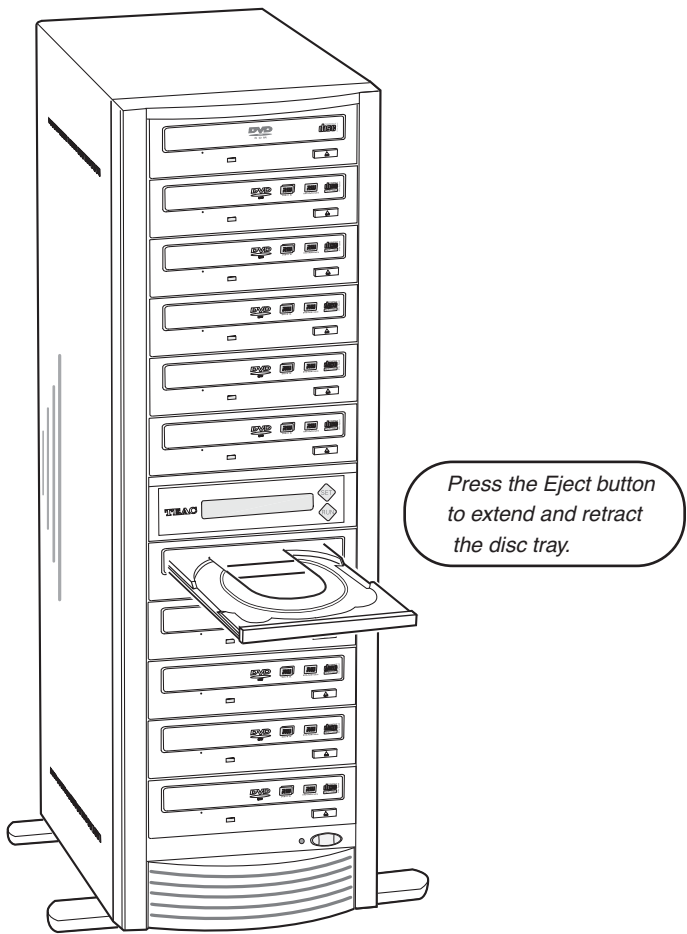


Figure 7. Ejecting the Disc Tray

Appendix D. Specifications

The following table lists the product specifications for the TEAC DVD Duplicator.

Model	DVW-D110H
HDD Capacity	160GB
Weight	50 lbs.
Dimensions (HxWxD)	25" x 7.5" x 16.5"
DVD Recorders	TEAC 16X DVD-RW
Drive Interface	IDE / ATAPI
Read Speed	DVD: 16x; CD: 48x
Write Speed	DVD: 16x; DVD+DL: 4x; CD: 48x
Drive Buffer Size	2MB
System Buffer Size	128MB
Supported Discs	DVD+R, DVD+RW, DVD+DL, DVD-R, DVD-RW, CD-R, and CD-RW discs
System Control	SET and RUN buttons
System Display	LCD panel; LED indicator
Write Method	Auto Detect (DAO, TAO)
Operation Modes	Test, Copy, Compare, Copy & Compare, Verify, Erase, Load
Firmware Upgrade	Via CD-ROM/DVD-ROM
Power Supply	AC Input: 115 - 220V

Appendix E. Technical Support and Warranty

For technical support, please contact the TEAC America Support Center

TEAC America, Inc. (USA)

Technical Support

Telephone: (323) 727-4860 • Fax: (323) 869-8751

Monday - Friday 8:00 a.m. - 5:00 pm PST

<http://www.teac.com/DSPD/techsupport-America.htm>

E-mail: dspdtsg@teac.com

Limited Warranty

This product is warranted by TEAC America, Inc. against defects in materials and workmanship.

LENGTH OF WARRANTY – This warranty will be effective for both labor and parts, and this warranty will be effective for one (1) year from the date of original purchase.

WHO MAY ENFORCE THE WARRANTY - This warranty is valid only in the United States, and enforceable only by the original purchaser. This warranty is not valid outside the United States.

WHAT IS NOT COVERED BY THIS WARRANTY

1. Damage to or deterioration of the external cabinet.
2. Damage resulting from accident, misuse, abuse, or neglect.
3. Damage resulting from failure to follow instructions contained in your user's manual.
4. Damage occurring during shipment of the product (claims must be presented to the carrier).
5. Damage resulting from repair or attempted repair by anyone other than TEAC Service Department.
6. Damage resulting from modification or attempted modification of product not authorized by TEAC.
7. Damage resulting from causes other than product defects, including lack of technical skill, competence, or experience of the user.
8. Damage to any unit that has been altered or on which the serial number has been defaced, modified or removed.
9. Damage or malfunction resulting from installation and cabling.
10. For wireless configurations, TEAC cannot be responsible for interference or operation in locations that restrict range.
11. Damage to or from interconnected network equipment.
12. Data integrity or loss of data.

HOW YOU CAN GET WARRANTY SERVICE – Please contact the TEAC service department for a Return Authorization number before shipping unit(s) to TEAC. Information required for R/A request should include your name and/or company name, telephone number, TEAC model, version and serial number(s). Return Authorization (R/A) number must be clearly marked on the outside of each carton shipped to TEAC. Return merchandise must be packed in original shipping containers or otherwise packed adequately to prevent damage in shipment. You are responsible for all risk of damage to or loss of merchandise in transit to TEAC. TEAC reserves the right to reject any merchandise that is not packaged and/or marked as instructed herein. You must pay any shipping charges if it is necessary to ship the product for service. However, if the necessary repairs are covered by the warranty, we will pay the return shipping charges to any destination within the United States. Whenever warranty service is required, you must present a copy of the original dated sales receipt as proof of warranty coverage. Please contact us at the addresses listed at the end of this warranty statement.

WHAT TEAC WILL PAY FOR – We will pay all labor and material expenses for items covered by the warranty. Payment of shipping charges is discussed in the next section of this warranty.

LIMITATION OF IMPLIED WARRANTIES

ANY IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE LENGTH OF THIS WARRANTY.

EXCLUSION OF DAMAGES

TEAC'S LIABILITY FOR ANY DEFECTIVE PRODUCT IS LIMITED TO REPAIR OR REPLACEMENT OF THE PRODUCT, AT TEAC'S OPTION. TEAC SHALL NOT BE LIABLE FOR DAMAGES BASED UPON INCONVENIENCE, LOSS OF USE OF THE PRODUCT, LOSS OF TIME, INTERRUPTED OPERATION OR COMMERCIAL LOSS, LOST PROFITS OR ANY OTHER DAMAGES, WHETHER INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR OTHERWISE.

SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS AND/ OR DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND EXCLUSIONS MAY NOT APPLY TO YOU.

THIS WARRANTY GIVES YOU SPECIFIC RIGHTS, AND MAY VARY FROM SOME OF THE RIGHTS PROVIDED BY LAW. THESE RIGHTS MAY VARY FROM STATE TO STATE.

To contact the TEAC Service Center in the United States:

Tel: 1-323-727-7694 or 1-323-727-7616

Fax: 1-323-727-7606

E-mail: dssvce@teac.com

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